

ABSTRACT OF THE DISCLOSURE

Positioning apparatus comprising a mechanism for reducing generation of leakage flux. The apparatus 5 comprises: a movable member for transmitting driving force in a driving-axis direction to a stage; a first electromagnet for driving the movable member in the driving-axis direction by forming a magnetic path between the movable member and the first electromagnet 10 and generating first magnetic flux; and a second electromagnet, which is positioned away from the first electromagnet and arranged in an overlapping direction, for driving the movable member in the driving-axis direction by forming a magnetic path between the 15 movable member and the second electromagnet and generating second magnetic flux having an inverted polarity from the first magnetic flux.